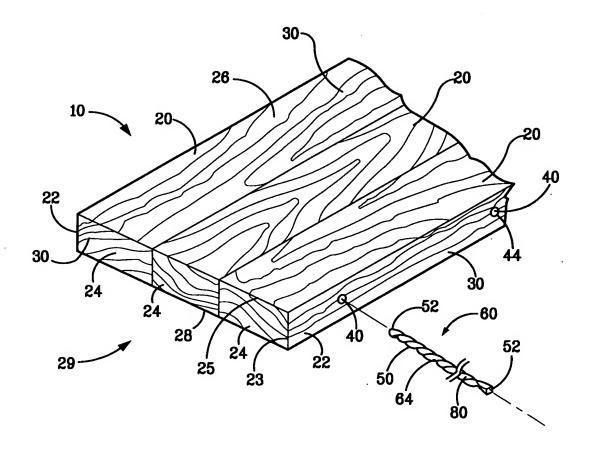
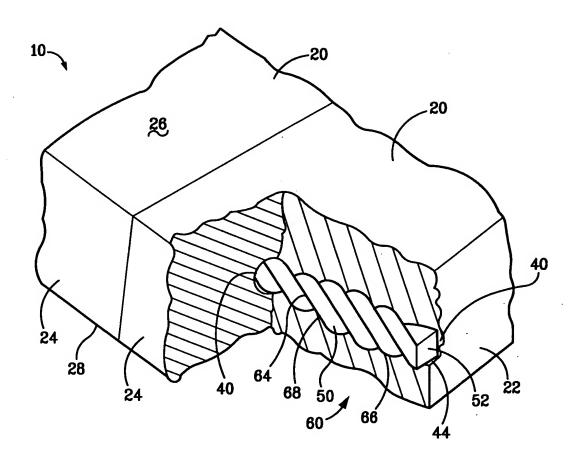
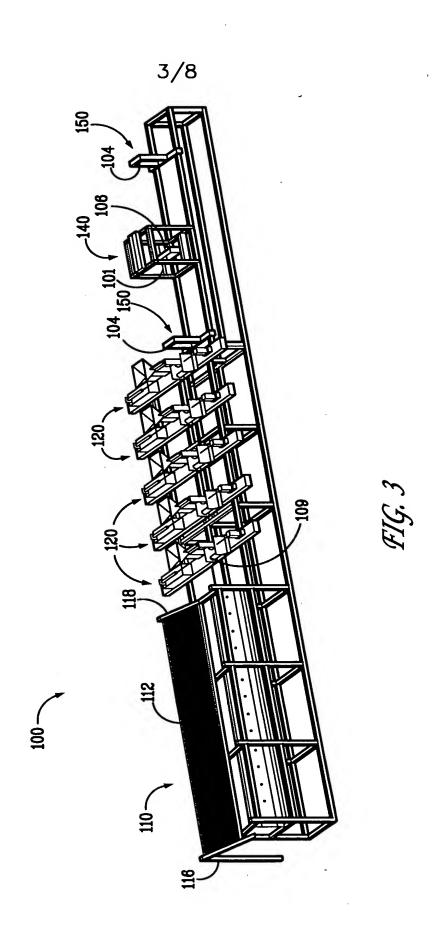
FIG. 1



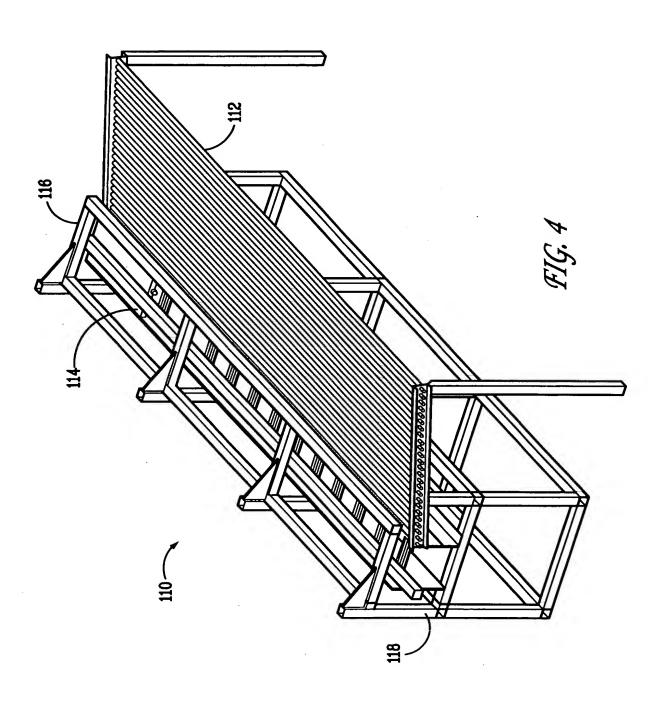




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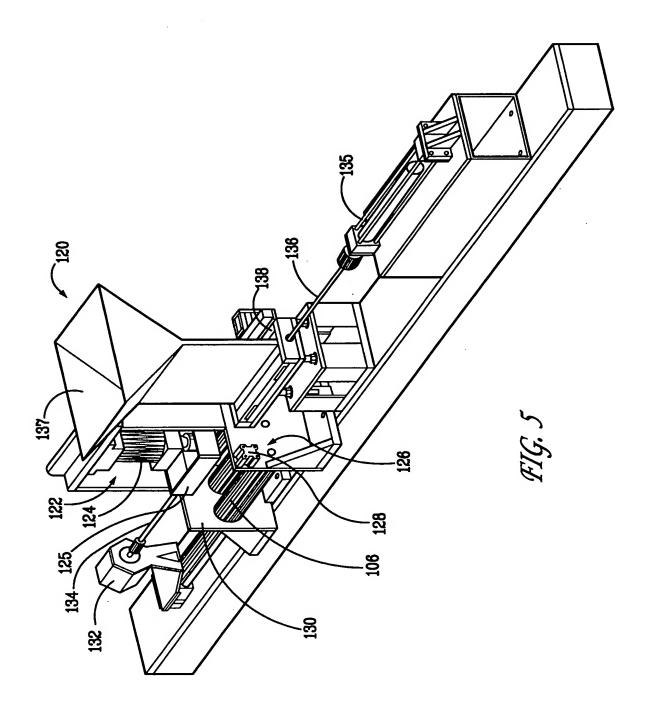


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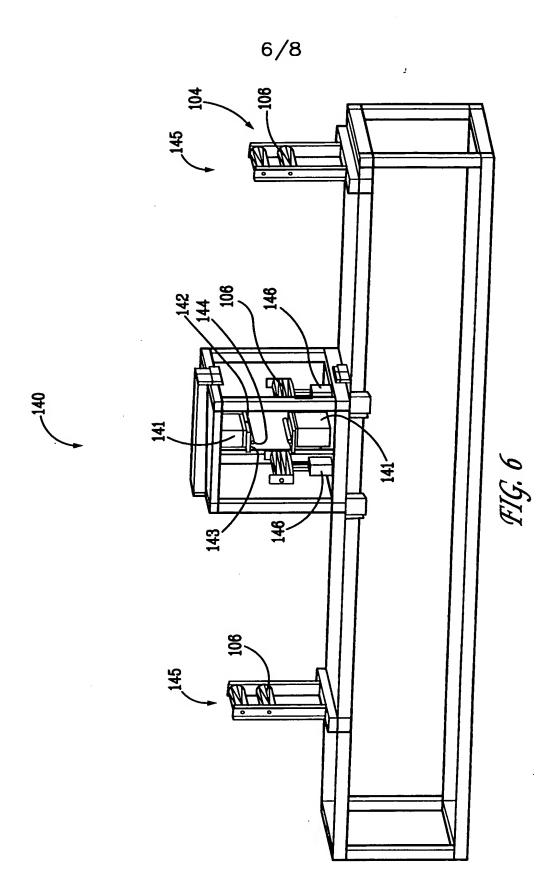


FIG. 1

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Test 3	Max. Load, lbs/Deflection/Failure	1527 lbs/6.385"/simple tension		1648 lbs/7.760"/full deflection reached with no failure		1652 lbs/6.844"/simple tension		1774 lbs/7.438"/full deflection reached with no failure		2147 lbs/6.785"/cross-grain tension failure		1009 lbs/4.275"/simple tension	
Test 2	Marked on Deflection © Deflection 1 Board Board 500 lbs,in © 500 lbs,in	2.282	2.034	2.308	2.271	2.124	2.051	2.174	2.112	N/A	N/A	N/A	N/A
Test 1	Deflection © 500 lbs,in	1.975	2.002	2.378	809.2	2.157	1.996	2.002	5.005	1.594	1.810	1.914	2.081
Date	Marked on Board	12-94	12-94	12-94	12-94	12-94	12-94	11–94	11–94	11-94	11–94	11–94	11–94
Side		A	В	Ą	В	A	В	A	В	A	В	A	В
HEE	N/S	1	1	સ	જ	က	က	4	4	သ	2	ဖ	9

. FIG. 8

Comparison Results					
	Pinned	Solid	Laminated		
Modulus of Elasticity	2.0 x 10 ⁶	1.8 x 10 ⁶	2.15 x 10 ⁶		
Flexural Stress	2,600 psi	2,200 psi	2,900 psi		
Horizontal Sheer Stress	120 psi	90 psi	145 psi		

FIG. 9

Failure Results						
Type of board	Average Failure Load (lbs)	Comments				
Pinned	2,700 psi	One member out of three fails first				
Solid	2,200 psi	Whole Unit Fails				
Laminated	2,400 psi	Whole Unit Fails				

FIG. 10

Deflection Results						
Type of board (7 ft span)	Deflection @ 50 psf Load (in)	OSHA Allowable Deflection (in)				
Pinned	0.73	1.4				
Solid	0.81	1.4				
Laminated	0.73	1.4				